

PATENT

ABSTRACT

An apparatus and process for relabelling and redirecting at least some of the read transaction data frames and the write transaction write data and transfer ready frames in a network so as to bypass a storage manager and pass directly between the client and a storage device via a switch. This eliminates the storage manager as a bottleneck. Some embodiments redirect every read and write transaction, and others redirect only large transactions, or only ones not stored in cache or when latency gets too high. Redirection is accomplished by transmission from the storage manager to a switch redirection commands that contain old and new address data. When a frame to be redirected comes in, its address is compared to the old address data. If there is a match, the new address data is substituted and the frame is passed to a conventional routing process to be routed so as to bypass the storage manager.

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